# PRODUCT DATASHEET
# FL COMP 10/20 V 18W ML 8304065 WT

## FLOODLIGHT COMPACT GEN 2 | Floodlight with Multi Select function, up to 150 lm/W




MULTI LUMEN

MULTI COLOUR

VALUE CLASS

### Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas
- Gardens, balconies and other outdoor areas

### Product benefits

- Highly versatile due to selectable CCT and lumen steps (Multi Select) thanks to a switch on the backside
- Robust cable gland with integrated waterstop function
- Breather membrane to optimize air exchange, without compromising IP protection
- Bright, robust and durable
- Energy savings of up to 90 % compared to halogen lamp floodlights
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt

### Product features

- Luminous efficacy: up to 150 lm/W
- Type of protection: IP65
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 $mm^2$ single wires
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Mounting bracket with 30° angle and wide rotation area
- Integrated voltage driver, suitable for 220 - 240 V AC


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# TECHNICAL DATA

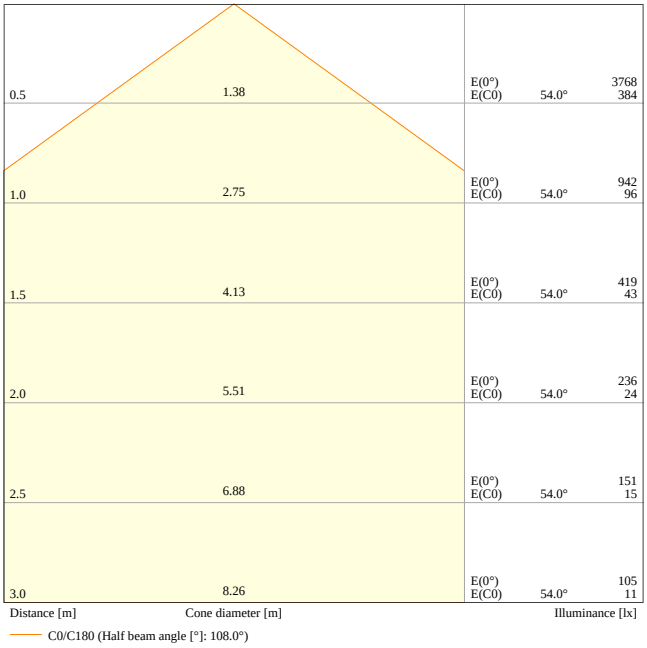
## Electrical data

| | |
|---|---|
| Nominal wattage | 18 W / 9 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 84mA / 45 mA |
| Inrush current | 7.8 A |
| Inrush current time $T_{h50}$ | 24 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 96 |
| Max. number of luminaires per miniature circuit breaker C10 | 76 |
| Max. number of luminaires per miniature circuit breaker C16 | 123 |
| Power factor λ | > 0.9 |
| Maximum total harmonic distortion | ≤ 20 % |
| Protection class | I |
| Surge capability (L-N) | 2 kV |
| Surge capability (L/N-Ground) | 4 kV |
| Operating mode | Integrated LED driver |

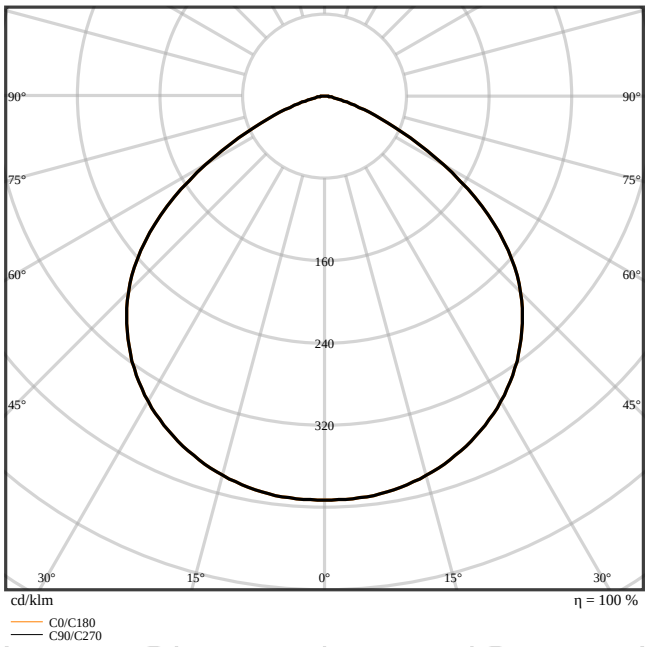
## Photometrical data

| | |
|---|---|
| Luminous flux | 2400 lm / 1350 lm |
| Luminous efficacy | 135 lm/W / 150 lm/W |
| Color temperature | 3000 K / 4000 K / 6500 K |
| Reference control setting of contained light source (Kelvin) | 4000 K |
| Light color (designation) | Warm White / Cool White / Cool Daylight |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | ≤5 sdcm |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <0.25 |
| Stroboscope effect metric (SVM) | <1.6 |
| Photobiological safety group acc. to EN62778 | RG1 |
| Beam angle | 100 ° |


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FL COMP 10 20 18W 840 100 WT




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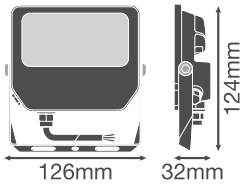
## Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|---|---|---|---|
| 18 W | 3000 K | 2160 lm | 120 lm/W |
| 18 W | 4000 K | 2400 lm | 135 lm/W |
| 18 W | 6500 K | 2250 lm | 125 lm/W |
| 9 W | 3000 K | 1200 lm | 135 lm/W |
| 9 W | 4000 K | 1350 lm | 150 lm/W |
| 9 W | 6500 K | 1300 lm | 145 lm/W |

## Dimensions & Weight

| | |
|---|---|
| Length | 126.00 mm |
| Width | 124.00 mm |
| Height | 32.00 mm |
| Product weight | 337.00 g |
| Cable length | 1000 mm |


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FL COMP 10/20 V 18W
ML8304065

## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| RAL Color (most similar) | RAL 9003 |
| Body material | Aluminum |
| Cover material | Glass |
| Light emitting surface material | Structured glass |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -30…+45 °C |
| Temperature range at storage | -40…+80 °C |
| Type of connection | Cable, 3-pole |
| Type of protection | IP65 |
| Protection class IK (shock resistance) | IK06 |
| Corrosion resistance class acc. to EN 12944 | C4 Medium |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Wall / Ceiling |
| Application environment | Outdoor |
| Mounting height | ≤5 m |
| Mechanically adjustable | Yes |
| With light source | Yes |


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| | |
|---|---|
| Replaceable light source | No |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 70000 h [1)] |
| Lifespan L80/B10 at 25 °C | 50000 h [1)] |
| Lifespan L80/B50 at 25 °C | 50000 h |
| Lifespan L90/B10 at 25 °C | 40000 h [1)] |
| Number of switching cycles | 100000 |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

## Control gear

| | |
|---|---|
| Output current | 169 mA |
| Output ripple current (100 Hz) | < 60 % |

## Emergency lighting

| | |
|---|---|
| Type of emergency operation test | None |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00087-V01.02-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Additional product data

| | |
|---|---|
| Added function | MULTI LUMEN / MULTI COLOR |

## Safety advice

- Max. wind load surface 18 W = 0,010 $m^2$ / 42 W = 0,018 $m^2$ / 70 W = 0,033 $m^2$ / 105 W = 0,044 $m^2$ / 135 W = 0,060 $m^2$ / 178 W = 0,074 $m^2$
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- Terminal block not included. Installation must be made by a qualified person.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.


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## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | FL COMP |
| PDF | Legal information | Legal Insert G11277400 |
| PDF | Legal information | FL COMP |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | HB COMP |
| PDF | Declarations of conformity | FLOODLIGHT COMPACT LUM |
| PDF | Declarations of conformity UKCA | FLOODLIGHT COMPACT LUM |
| PDF | EPD | EPD EN FLOODLIGHT COMPACT GEN 2 / COMBO |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | FL COMP 10 20 18W 840 100 WT |
| LDT | LDT file (Eulumdat) | FL COMP 10 20 18W 840 100 WT |
| | UGR file (UGR table) | FL COMP 10 20 18W 840 100 WT |
| | Light distribution curve type cone | FL COMP 10 20 18W 840 100 WT |
| | Light distribution curve type polar | FL COMP 10 20 18W 840 100 WT |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | Floodlight Compact G2 |
| STEP | CAD STEP 3D | FL COMP G2 18W |

| | Tender texts | Document name |
|---|---|---|
| TXT | Tender documents | ENFLOODLIGHT COMPACT GEN 2 1020 V 18W ML 8304065 WT-en |

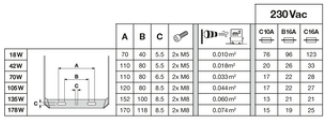

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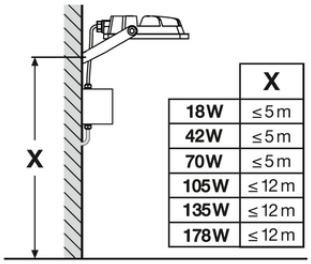
## LOGISTICAL DATA

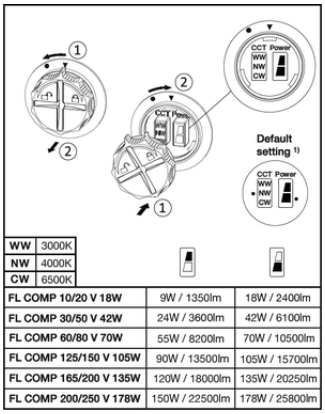
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854832161 | Folding box<br>1 | 51 mm x 131 mm x 160 mm | 361.00 g | 1.07 $dm^3$ |
| 4099854832178 | Shipping box<br>12 | 327 mm x 280 mm x 190 mm | 4674.00 g | 17.40 $dm^3$ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## ADDITIONAL CATALOG INFORMATION




## References / Links

– For Guarantee see www.ledvance.com/guarantee

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